

**REMEDIAL DESIGN/REMEDIAL ACTION (RD/RA)
COOPERATIVE AGREEMENT
PROGRESS REPORT**

AGREEMENT NO.: V 990601-01-1

SITE NAME: McCormick & Baxter Creosoting Co.
Portland, OR

PREPARED BY: Bill Dana, Project Manager
Oregon Dept. of Environmental Quality (DEQ)

DATE: July 30, 1997

PERIOD: April 1, 1997 through June 30, 1997

1. PROGRESS MADE THIS PERIOD

During this reporting period, DEQ with support from its contractor Ecology & Environment, Inc. (E&E), prepared an application for continuation of the Cooperative Agreement No. V 990601-01-1. The current Agreement expires July 31, 1997. The Application was submitted to EPA on May 19, 1997.

On April 2, 1997, E&E submitted a final Dioxin Sampling Plan Addendum. Shortly thereafter, E&E staff composited existing, archived soil samples and submitted them for dioxin analyses. In the previous Quarterly Progress Report, DEQ incorrectly reported that this activity occurred at the end of March 1997.

During the current reporting period, DEQ staff reviewed and provided written comments on several deliverables submitted by E&E. Work products submitted by E&E during the reporting period included, a draft Phase II Demolition Investigation and Sampling Plan Addendum, draft and final versions of the Groundwater Monitoring Report for the first quarter 1997, and a draft Soil Dioxin Data Summary Report. E&E also completed and submitted a report summarizing a literature search and vendor contact, concerning biological treatment of wood-treating wastes. In addition, DEQ staff reviewed three invoices, three Task Order Progress Reports and one Budget and Assumption Proposal (BAP) submitted by E&E.

DEQ participated in Project Managers' Meetings with EPA and E&E on April 24, and June 16, 1997. In addition, a combination Project Managers' Meeting and Aquifer Investigation Plan (AQUIP) Scoping Meeting was held on May 20, 1997. The April and June meetings were held at E&E's Seattle office. The May meeting was held at

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DEQ headquarters and included a visit to the McCormick & Baxter site. Also in May, DEQ issued a fact sheet to the public, which summarized the project status and issues.

In total, DEQ staff (excluding the laboratory) spent 414 hours on RD and RA activities during the reporting period. Copies of DEQ's Direct Labor Summaries, for RD/RA activities during this period, are attached.

During April and May 1997, E&E staff continued to provide on-site subcontractor oversight of Phase I demolition and debris removal activities. In May, a second, pilot-scale groundwater treatment system was installed at the site, in the Former Waste Disposal Area (FWDA). Electrical upgrades at the site were completed in June. Routine, quarterly groundwater monitoring was conducted in April. In addition, E&E conducted or coordinated on-going NAPL recovery, wastewater treatment system operation and maintenance, and general site security and maintenance.

E&E issued Task Order Progress Reports, describing these and other activities, on May 8, 1997 (for the period March 23 through April 19, 1997), on June 6, 1997 (for the period April 20 through May 17, 1997) and on July 18, 1997 (for the period May 18 through June 30, 1997). Copies of these reports are attached.

2. BUDGET STATUS SUMMARY

Budget status summaries are included in the attached Task Order Progress Reports from E&E, and in the attached DEQ accounting tables.

3. SCHEDULE STATUS

The schedule for design and implementation of the soil remedy continues to be impacted by the results of the dioxin sampling conducted in December 1996, and the subsequent submission of archived soil samples dioxin analyses in April 1997. This additional dioxin sampling has delayed the issuance of the Soil Design Criteria Report. This report was originally scheduled to be submitted in February. It is now projected that the report will not be submitted until August 1997. Groundwater remedy enhancement tasks are also somewhat behind schedule, as DEQ directed E&E to focus its attention on resolution of the soil dioxin issues, and there have been some problems with the pilot-scale treatment system, as described below. Copies of the current schedules for RD and RA activities, prepared by E&E on July 29, are attached.

4. ISSUES AND/OR PROBLEMS ENCOUNTERED AND RESOLUTION

As indicated above, the most serious issue/problem during the reporting period continues to be the potential impact of dioxin soil sampling results on the selected soil

remedy. The results indicate that low levels of dioxin contamination are present in those areas where soil contamination also exceeds the ROD action levels for arsenic, carcinogenic PAHs, and/or pentachlorophenol. On-site biological treatment, as described in the ROD, would not be expected to effectively reduce dioxin concentrations. Accordingly, the selected remedy may not result in the level of risk reduction anticipated by the ROD. DEQ has directed E&E to perform a risk evaluation of soils in the proposed "Remedial Action Areas" of the site. Once this evaluation is complete, DEQ will confer with EPA and decide how to best address this issue/problem. A ROD amendment may be necessary, to ensure a cost-effective and protective soil remedy.

Another issue concerns the presence of zinc in groundwater. The existing water treatment systems provide for treatment of organic constituents only. Accordingly, E&E has experienced periodic exceedances of the NPDES discharge limits for zinc, as set forth in the ROD. DEQ and E&E are evaluating alternatives for correcting this problem, including the addition of treatment systems for inorganic constituents, and extension of the effluent discharge pipes farther into the Willamette River, to attain greater dilution and a corresponding increase in the NPDES discharge limits.

5. ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD

During the next reporting period (July 1 through September 30, 1997), E&E will submit draft and final risk evaluations, based on the December 1996 soil sampling. DEQ and EPA will complete their evaluation of the sampling and risk evaluation data and decide whether or not to propose a ROD Amendment, concerning the soil remedy. E&E will submit the Aquifer Investigation Plan (AQUIP) Data Summary, and Conceptual Site Model. A meeting has been scheduled for DEQ, EPA and EPA to discuss the site model in September. E&E will also submit the draft Biological Treatment Test Plan (BTTP) for contaminated groundwater at the site. A final Phase II Demolition Investigation Work Plan will be prepared and implemented. Third quarter 1997 groundwater monitoring will be conducted and a second quarter 1997 Groundwater Monitoring Report will be submitted. DEQ will issue at least one fact sheet to the public and, if a ROD Amendment is proposed, may conduct one or more public meetings. Finally, DEQ and E&E hope to select and begin implementing a plan to address the elevated levels of zinc in water treatment system effluent.

attachments

TASK ORDER PROGRESS REPORT

Contract/Task Order No.: 64-93-23
 E & E Invoice No.: 72037
 Site Name: McCormick & Baxter Remedial Design/Remedial Action
 E & E Project No.: OT9000
 Prepared by: Sheila Fleming, Task Order Manager, E & E, Seattle
 Date: May 8, 1997
 Period: March 23 through April 19, 1997

1. BUDGET STATUS SUMMARY

Task Description	Budget Expended this Period	Budget Expended to Date	Authorized Budget	Percent of Work Complete ^a
1-RD Project Planning and Support	\$(39.29)	\$34,085.29	\$36,472.00	100%
2-RD Site-Specific Plans	\$4,470.36	\$39,099.68	\$41,046.00	99%
3-RD Project Administration	\$3,888.02	\$25,694.82	\$36,773.00	80%
4-RD Subcontractor Procurement	\$466.32	\$7,288.29	\$10,118.00	100%
5-RD Community Relations	\$0.00	\$0.00	\$1,622.00	0%
6-RD Data Acquisition	\$8,213.48	\$92,969.34	\$97,604.00	90%
7-Sample Analysis	\$0.00	\$100,672.50	\$148,050.00	95%
8-RD Data Validation	\$0.00	\$2,463.75	\$10,684.00	95%
9-RD Data Management	\$150.77	\$20,270.44	\$26,003.00	80%
10-Treatability Studies	\$710.71	\$11,848.49	\$13,491.00	100%
11-Preliminary Design	\$1,908.18	\$62,566.48	\$79,354.00	80%
21-RA Planning and Support	\$7,753.20	\$38,685.87	\$56,368.00	70%
22-RA Site-Specific Plans	\$0.00	\$0.00	\$228.00	0%
23-Construction Contractor Procurement	\$6.27	\$2,839.22	\$2,970.00	100%
25-Resident Inspection Services	\$17,718.69	\$21,441.62	\$45,839.00	60%
27-RA Implementation	\$159,997.62	\$436,843.21	\$749,913.00	80%
TOTAL	\$205,244.33	\$896,768.99	\$1,356,535.00	75%

^a Percent complete represents proportion of authorized work completed to date.

2. PROGRESS MADE DURING THE REPORTING PERIOD

Task 1: RD Project Planning and Support. No work was conducted on this task during this period. A timecard amendment was processed to remove one hour that was incorrectly charged to this task during the last invoicing period. The ODCs (CAD hours) that were charged to this task should have been charged to Task 2. Because the dollar amount is so small (\$40.37), an accounting correction will be made only at DEQ's request.

Individual	Role	Hours	Activity
K. Smith	Engineer	-1	Correction.

Task 2: RD Site Specific Plans. In response to DEQ's request, E & E prepared a supplemental sampling plan to collect additional samples, to composite certain archived soil samples, and to analyze all samples for dioxin. E & E submitted a draft sampling plan that described the sampling objectives, composite methodology, sample selection rationale, and analytical requirements on March 19, 1997. Based on teleconferences with DEQ and DEQ's written comments, E & E finalized the supplemental sampling plan and submitted it to DEQ on April 2, 1997.

In addition, E & E initiated preparation of the Phase II Demolition Investigation Plan by generating detailed maps of below-ground concrete structures and other objects present at the site. The detailed maps will facilitate preparation of Phase II Demolition volume estimates and identification of appropriate sample locations.

Individual	Role	Hours	Activity
S. Fleming	Project Manager	5	Finalize supplemental sampling plan
E. Baulch	Engineer	20	Finalize supplemental sampling plan
K. Smith	Engineer	16	Concrete structure field mapping, CAD drawing review
E. Martin	CAD Operator	16	Concrete structure map

Task 3: RD Project Administration. During this period, E & E conducted the following RD project administration tasks:

- Initiated work on the Cooperative Agreement Extension; and
- Conducted routine project management, invoicing, resource allocation activities, and financial oversight of RD project tasks.

The Cooperative Agreement Extension covers both RD and RA activities, therefore, E & E's level of effort is distributed equally between this task and Task 21 - RA Project Management.

Individual	Role	Hours	Activity
S. Fleming	Project Manager	20	Coop Agreement, RD project management, invoice preparation.
K. Smith	Engineer	13	Invoice preparation, RD task management.
F. Cramer	Word Processing	1.5	Coop Agreement support

Task 4: RD Subcontractor Procurement. E & E modified the laboratory subcontract and coordinated dioxin sample delivery and analysis.

Individual	Role	Hours	Activity
E. Baulch	Engineer	7	Laboratory subcontract modification.

Task 6: RD Data Acquisition. E & E collected and composited samples for dioxin analysis in accordance with the final supplemental sampling plan. The samples were submitted to Sound Analytical Services, Inc. for dioxin analysis.

Individual	Role	Hours	Activity
K. Connors	Engineer	10	Sample compositing/collection.

Task 8: RD Data Validation. No work was conducted on this task during this reporting period.

Task 9: RD Data Management. Prepared revised dioxin composite sample location figure for the supplemental sampling plan.

Individual	Role	Hours	Activity
A. Hanson	GIS	3	Revised sample location figure.

Task 10: Treatability Studies. E & E submitted the final literature search regarding biological treatment of soil contaminated with wood treating chemicals. E & E incorporated comments received from DEQ and obtained additional information as requested by DEQ.

Individual	Role	Hours	Activity
P. Bourdage	Technical Editor	8	Technical edited and produced the final literature search regarding biological treatment of soil.

Task 11: Preliminary Design. E & E received DEQ's comments on the Draft Soil Data Summary and Sediment Information Summary Reports during this period. E & E initiated changes to the Data Summary Report in sections that would not be affected by the pending dioxin data. E & E also initiated a response to comment letter. E & E will submit the revised Data Summary Report to DEQ in August 1997, when the dioxin data and potential action level is finalized.

The Sediment Information Summary Report was modified in accordance to DEQ's comments and a response to comment letter was drafted. The final version of this report will be submitted to DEQ in the subsequent reporting period.

E & E inadvertently charged some time to this task for preparing portions of the supplemental dioxin sampling plan. If requested by DEQ, these hours could be moved to Task 2 in the next invoice.

Individual	Role	Hours	Activity
K. Smith	Engineer	12	Revised dioxin sampling plan, reviewed DEQ comment letters and document changes.
R. Earlywine	Engineer	2	Revised Sediment Information Summary report, prepared response to comment letter.
E. Baulch	Engineer	10.5	Marked-up Draft Data Summary Report in accordance to DEQ's comments, revised dioxin sampling plan.

Task 21: RA Planning and Support/Project Administration. During this period, E & E conducted the following RA project administration tasks:

- Initiated work on the Cooperative Agreement Extension;
- Submitted a draft BAP to prepare the AQUIP and BTTP;
- Finalized the Phase I demolition subcontract and extended the existing subcontracts for on-site services, effluent sample laboratory analysis, and site security through June 30, 1997; and
- Conducted routine project management, invoicing, and resource allocation activities, and financial oversight of RA project tasks.

The Cooperative Agreement Extension covers both RD and RA activities, therefore, E & E's level of effort is distributed equally between this task and Task 3 - RD Project Management.

Individual	Role	Hours	Activity
S. Fleming	Project Manager	21	Project administration, invoice preparation, Coop Agreement.
D. Shivjani	Engineer	2	BAP preparation.
J. Montgomery	Program Manager	2	BAP review.
K. Smith	Engineer	46	Invoice preparation, Coop assistance, BAP preparation.

Individual	Role	Hours	Activity
M.A. Wright	Subcontract Coordinator	7	Subcontract management.

Task 23: Construction Contractor Procurement. No work was conducted on this task during this reporting period.

Task 25: Resident Inspection Services. E & E provided on-site subcontractor oversight services of the demolition activities during this reporting period. The oversight activity includes work inspections, material decontamination acceptance, wood debris categorization, health and safety monitoring, truck inspections, documentation of problems and resolution decisions, and cost tracking.

Individual	Role	Hours	Activity
S. Fleming	Project Manager	2	Phase I demo support
R. Earlywine	Engineer	144	Phase I demolition oversight.
K. Smith	Engineer	14	Phase I demo office support, cost tracking
M. Witnauer	Hydrogeologist	88	Phase I demolition oversight

Task 27: RA Implementation. During this reporting period, E & E finalized the 4th quarter 1996 Quarterly Report and initiated preparation of the 1st quarter 1997 Quarterly Report. E & E purchased dedicated groundwater sampling pumps and equipment and conducted the field work to properly install the systems.

Also during this period, E & E brought an electrical contractor to the site to inspect and evaluate the current electrical installations. During the inspection, a number of significant health and safety concerns were identified in addition to possible electrical code violations. Following the initial inspection, it was mutually decided by DEQ and E & E to invite a City of Portland electrical inspector to the site to evaluate the level of modifications that should be completed to be in compliance with applicable codes. The initial inspection was held on April 15, 1997.

During current demolition activities a significant number of drums remaining from previous site investigations, were identified and targeted for disposal/recycling. With DEQ's approval, E & E utilized the site operations subcontractor, ADT to remove soil and water from the drums, decontaminate the drums, and crush the drums for disposal by the demolition subcontractor. The soil was placed onto the existing soil stock piles and the water was placed into the treatment system. Drums that contained product or asbestos were not emptied. These drums will be disposed properly at a future date.

E & E initiated work on the FWDA NAPL extraction testing plan that will describe how E & E will operate the NAPL pumps in the FWDA following installation of the FWDA treatment system.

E & E obtained three competitive quotes to install additional security fencing around the parking lot. Pacific Fencing's quote was \$4,422. The price for equivalent fencing from Fox Fencing Co. and Superior Fencing was \$6,026 and \$ 8,035, respectively.

Individual	Role	Hours	Activity
K. Smith	Engineer	37	Weekly oversight of site operations, review of subcontractor costs and activities, electrical site walk on 4/15 and subsequent communications, drum decon scoping.
D. Anderson	Hydrogeologist	57	Finalized 4th quarter 1996 report, FWDA NAPL Testing Plan, site visits.
E. Baulch	Engineer	2	Checked fencing quotes.
K. Connors	Engineer	8	Organized project files and laboratory data packages.
M. Witnauer	Geologist	73	First quarter 1997 report preparation, second quarter 1997 sampling plan preparation, inspection of pressure transducers, purchase of dedicated groundwater sampling pumps, designed and installed dedicated system for groundwater sampling.
E. Martin	CAD Operator	4	Quarterly report figures.
J. Mihalek	Clerical	5	Quarterly report preparation.

3. ISSUES OF IMPORTANCE

None at this time.

4. POTENTIAL/CURRENT PROBLEM AND RECOMMENDED SOLUTIONS

E & E will work closely with DEQ to ensure that project activities are scheduled and budgeted well in advance so Coop funds are available.

5. KEY ACTIVITIES/SCHEDULE FOR SUBSEQUENT REPORTING PERIOD

- Attend a monthly meeting with DEQ and EPA on April 24, 1997 in Seattle;
- Attend an AQUIP and BTTP scoping meeting at DEQ on May 20, 1997;
- Submit a revised BAP for preparation of the Aquifer Investigation Plan and Biological Treatment Test Plan for groundwater;
- Assist DEQ with preparation of the Coop Agreement Extension;
- Receive and evaluate preliminary dioxin data;
- Process change order for demolition activities to remove additional buildings;

- Begin installation of the FWDA treatment system;
- Submit of the First Quarter 1997 Quarterly Report; and
- Process subcontract for electrical repairs.

6. DELIVERABLES SUBMITTED

- Draft Task Order BAP submitted on April 2, 1997; and
- Final dioxin sampling plan submitted on April 2, 1997;

7. KEY PERSONNEL CHANGES

No personnel changes have occurred during this reporting period.

8. SUBCONTRACTING

E & E utilized the following subcontractors during this reporting period: ADT for site operation and maintenance services; Northwest Protective Services for site security; Sound Analytical for weekly treatment system effluent analysis and soil analysis; David Evans and Associates for a boundary survey; and Allied Demolition and Dismantling Co. For phase I demolition work. In addition, invoices for Smith Environmental (sludge disposal) and Line Finders (utility locate) are included in this invoice.

9. DATA GENERATED

Routine treatment system, water level, and NAPL measurements were collected. Additional soil samples were submitted for dioxin analysis.

10. MBE, WBE, SBRA INVOLVEMENT

Northwest Protective and Allied Demolition are WBEs.

11. LABORATORY SERVICES

Sound Analytical laboratory was utilized during this reporting period for effluent and dioxin analysis.

TASK ORDER PROGRESS REPORT

Contract/Task Order No.: 64-93-23
 E & E Invoice No.: 72090
 Site Name: McCormick & Baxter Remedial Design/Remedial Action
 E & E Project No.: OT9000
 Prepared by: Sheila Fleming, Task Order Manager, E & E, Seattle
 Date: June 6, 1997
 Period: April 20 through May 17, 1997

1. BUDGET STATUS SUMMARY

Task Description	Budget Expended this Period	Budget Expended to Date	Authorized Budget	Percent of Work Complete ^a
1-RD Project Planning and Support	\$0.00	\$34,085.29	\$36,472.00	100%
2-RD Site-Specific Plans	\$4,097.61	\$43,197.29	\$41,046.00	95%
3-RD Project Administration	\$6,252.75	\$31,947.57	\$36,773.00	90%
4-RD Subcontractor Procurement	\$0.00	\$7,288.29	\$10,118.00	100%
5-RD Community Relations	\$0.00	\$0.00	\$1,622.00	0%
6-RD Data Acquisition	\$0.00	\$92,969.34	\$97,604.00	90%
7-Sample Analysis	\$0.00	\$100,672.50	\$148,050.00	95%
8-RD Data Validation	\$0.00	\$2,463.75	\$10,684.00	100%
9-RD Data Management	\$1,165.39	\$21,435.84	\$26,003.00	85%
10-Treatability Studies	\$6.89	\$11,855.38	\$13,491.00	100%
11-Preliminary Design	\$584.39	\$63,150.87	\$79,354.00	80%
21-RA Planning and Support	\$6,236.73	\$44,922.60	\$56,368.00	85%
22-RA Site-Specific Plans	\$0.00	\$0.00	\$228.00	0%
23-Construction Contractor Procurement	\$6.90	\$2,846.12	\$2,970.00	100%
25-Resident Inspection Services	\$16,591.86	\$38,033.49	\$45,839.00	85%
27-RA Implementation	\$161,567.56	\$598,410.77	\$749,913.00	80%
TOTAL	\$196,510.09	\$1,093,279.10	\$1,356,535.00	90%

^a Percent complete represents proportion of authorized work completed to date.

2. PROGRESS MADE DURING THE REPORTING PERIOD

Task 1: RD Project Planning and Support. No work was conducted on this task during this period.

Task 2: RD Site Specific Plans. E & E continued preparation of the Phase II demolition supplemental sampling plan during this period. The plan will identify subsurface concrete structure (e.g., retorts) investigation activities that will be conducted by E & E to obtain information for preparation of the Phase II demolition contract documents. The soil sampling activities will be designed to fill data gaps that were identified after completion of the soil sampling event conducted in December 1996. The draft sampling plan will be submitted to DEQ in June 1997.

Individual	Role	Hours	Activity
K. Connors	Engineer	40	Preparation of the Phase II Demolition supplemental sampling plan
K. Smith	Engineer	2	Concrete map quality review and sampling plan preparation.
E. Martin	CAD Operator	2	Concrete map revisions and creation of supplemental soil sampling map.

Task 3: RD Project Administration. During this period, E & E conducted the following RD project administration tasks:

- Completed work on the Cooperative Agreement Extension.
- Conducted routine project management, invoicing, resource allocation activities, and financial oversight of RD project tasks;
- Attended the April 24, 1997 monthly progress meeting; and
- Prepared one invoice and progress report dated May 8, 1997.

The Cooperative Agreement Extension covers both RD and RA activities, therefore, E & E's level of effort is distributed equally between this task and Task 21 - RA Project Management.

Individual	Role	Hours	Activity
S. Fleming	Project Manager	29	Coop Agreement. RD project management, invoice preparation, meeting attendance.
K. Smith	Engineer	22	Invoice preparation. RD task management, meeting attendance.

Task 4: RD Subcontractor Procurement. No work was conducted on this task during this period.

Task 5: RD Community Relations. No work was conducted on this task during this period.

Task 6: RD Data Acquisition. No work was conducted on this task during this period.

Task 7: RD Sample Analysis. No costs were incurred on this task during this period.

Task 8: RD Data Validation. No work was conducted on this task during this reporting period.

Task 9: RD Data Management. During this period, E & E received preliminary dioxin analytical results. E & E presented the results to DEQ and held follow-up discussions to address the laboratory's request for dilution of 12 samples. Based on conversations with DEQ, E & E instructed the laboratory to dilute the 12 samples and reanalyze them. The reanalysis costs (\$12,600) were documented to DEQ in E & E's May 15, 1997 cost proposal.

Individual	Role	Hours	Activity
S. Fleming	Project Manager	1	Preliminary dioxin data review.
K. Smith	Engineer	4	Preliminary dioxin data review and laboratory discussions.

Task 10: Treatability Studies. No work was conducted on this task during this period. A document shipping charge was incurred in this period for delivery of the final biological treatment literature review document.

Task 11: Preliminary Design. At the request of DEQ's Project Officer, E & E attended an EPA Technology Transfer seminar on May 6, 1997 which discussed biological treatment of soil contaminated with wood treating chemicals. Information presented at the seminar may be directly applicable to the design of the soil RA at the McCormick & Baxter site.

Individual	Role	Hours	Activity
S. Fleming	Task Order Manager	2	Seminar attendance.

Task 21: RA Planning and Support/Project Administration. During this period, E & E conducted the following RA project administration tasks:

- Completed work on the Cooperative Agreement Extension;
- Submitted a draft BAP to prepare the AQUIP and BTTP dated April 22, 1997;
- Attended the April 24, 1997 monthly progress meeting;
- Prepared draft and final cost proposal documenting additional subcontractor costs for demolition, dioxin analysis, and electrical repairs. The final proposal was submitted to DEQ on May 15, 1997; and
- Conducted routine project management, invoicing, and resource allocation activities, and financial oversight of RA project tasks.

The Cooperative Agreement Extension covers both RD and RA activities, therefore, E & E's level of effort is distributed equally between this task and Task 3 - RD Project Management.

Individual	Role	Hours	Activity
S. Fleming	Project Manager	25	Project administration, invoice preparation, Coop Agreement, cost proposal review.
D. Shivjiani	Engineer	1	Cost proposal review
K. Smith	Engineer	26	Invoice preparation, Coop assistance, Cost proposal preparation
M.A. Wright	Subcontract Coordinator	1	Subcontract management.

Task 23: Construction Contractor Procurement. No work was conducted on this task during this reporting period.

Task 25: Resident Inspection Services. E & E provided field oversight of subcontractor services for Phase I demolition activities and installation of the FWDA treatment system during this reporting period. The oversight activity includes work inspections, material/equipment decontamination oversight, wood debris categorization, health and safety monitoring, truck inspections, documentation of problems and resolution, and cost tracking. Oversight of the FWDA treatment system included construction inspection, coordination of subcontractor activities, and observation of system initiation.

Individual	Role	Hours	Activity
S. Fleming	Project Manager	1	Phase I demo support
R. Earlywine	Engineer	152	Phase I demolition oversight.
K. Smith	Engineer	50	Phase I demo oversight, FWDA treatment system installation oversight.
M. Witnauer	Hydrogeologist	18	Phase I demolition oversight

Task 27: RA Implementation. During this reporting period, E & E submitted the First Quarter 1997 Quarterly Report and conducted the second quarter 1997 groundwater sampling field work. E & E continued routine site operations and oversight of the site operation subcontractor. E & E also began preparing a technical memoranda that describes E & E's proposed approach to NAPL extraction and testing in the FWDA.

The First Quarter 1997 Quarterly Report was submitted draft to DEQ on May 8, 1997. E & E conducted the second quarter 1997 groundwater sampling field work during the week of April 21 to 25, 1997. The work proceeded on schedule and without problems. During the field work E & E was also installing the dedicated sampling pumps. Subsequent sampling events will require less personnel due to the use of the dedicated pumps.

E & E continued communication with Oregon Electric, to ensure that the electrical repairs are initiated in early June 1997 and completed by June 30, 1997.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	8	First quarter 1997 report review.
S. Fleming	Task Order Manager	9*	First quarter 1997 report review and task progress oversight.
P. Bourdage	Editor	4.5	First quarter 1997 report editing.
K. Smith	Engineer	58	First quarter 1997 report preparation, general site operations oversight, subcontractor coordination, task planning and scheduling.
K. Connors	Engineer	39~	Second quarter 1997 groundwater sampling field work.
D. Anderson	Hydrogeologist	39.5	Routine site activities, second quarterly report preparation.
M. Longtine	Geologist	9	Preparation work for the May 20, 1997 AQUIP meeting.
M. Witnauer	Geologist	66	Second quarter 1997 groundwater sampling field work, preparation of the FWDA pumping test technical memorandum.
E. Martin	CAD Operator	3	First quarter 1997 report figures.
M. Ehle	Graphics	2	First quarter 1997 report figures.
K. Miller	Technician	40.75	Second quarter 1997 groundwater sampling field work.
F. Cramer	Clerical	3.5	First quarter 1997 report word processing.
A. Saxton	Clerical	5.5	First quarter 1997 report production.
J. Mihalek	Clerical	3	First quarter 1997 report word processing.

*Due to a timecard error, 6 hours were incorrectly charged to Task 27 instead of Task 21. A timecard amendment has been completed and a correction will appear on a subsequent invoice.

3. ISSUES OF IMPORTANCE

None at this time.

4. POTENTIAL/CURRENT PROBLEM AND RECOMMENDED SOLUTIONS

At the end of April, E & E received treatment system effluent analytical results that indicated copper concentrations exceeded the allowable discharge limits. E & E contacted DEQ's project officer to discuss corrective actions. The DEQ project officer directed E & E to collect one round of treatment train samples prior to system shut down and submit them for total and dissolved copper analysis. Following sample collection, E & E directed the site technician to shut down the treatment system until the analytical tests could be completed.

The sample results, received on May 8, 1997, indicated that copper concentrations exceeding the allowable discharge limits were present only in the DAF sludge tank material. Apparently, DAF sludge material with high copper concentrations passed through the DAF and the filters and was detected in the effluent. The existing pilot treatment system was not specifically designed to remove high concentrations of metals. During replacement of the sludge tank in January 1997, decon water from the sludge tank removal operations was placed into the treatment system. Potentially, sufficiently high copper concentrations were present in the decon water to cause this exceedance. During the recent treatment train sampling, the effluent did not contain copper above the detection limit, therefore E & E directed the site technician to

start-up the system on May 9, 1997. The subsequent weekly effluent sample did not contain detectable levels of copper.

E & E has not initiated any formal corrective actions since the exceedance appears to be an isolated event and the treatment train and subsequent weekly effluent samples did not contain copper above the detection limits. E & E will continue weekly monitoring of the system effluent. A full presentation of analytical results will be contained in the Second Quarter 1997 Quarterly Report.

5. KEY ACTIVITIES/SCHEDULE FOR SUBSEQUENT REPORTING PERIOD

- Attend the AQUIP scoping meeting with DEQ and EPA on May 20, 1997;
- Submit a revised BAP for preparation of the Aquifer Investigation Plan and Biological Treatment Test Plan for groundwater for the period ending July 31, 1997;
- Receive and evaluate dioxin data;
- Complete demolition activities and review final invoice;
- Complete installation and start-up of the FWDA treatment system; and
- Initiate electrical repair work.

6. DELIVERABLES SUBMITTED

- The First Quarter 1997 Draft Quarterly Report was submitted to DEQ on May 8, 1997;
- A draft BAP to prepare the AQUIP and BTTP was submitted to DEQ on April 22, 1997; and
- The final proposal documenting subcontractor change orders was submitted to DEQ on May 15, 1997.

7. KEY PERSONNEL CHANGES

No personnel changes have occurred during this reporting period.

8. SUBCONTRACTING

E & E utilized the following subcontractors during this reporting period: ADT for site operation and maintenance services; Northwest Protective Services for site security; Sound Analytical for weekly treatment system effluent analysis and copper analysis; and Allied Demolition and Dismantling Co. for phase I demolition work.

9. DATA GENERATED

Routine treatment system effluent samples, and water level and NAPL measurements were collected. Treatment train copper samples were also collected. Results are reported in the quarterly reports. In addition, second quarter 1997 groundwater samples were collected and submitted to the DEQ laboratory.

10. MBE, WBE, SBRA INVOLVEMENT

Northwest Protective (M/WBE) and Allied Demolition (WBE) were utilized during this reporting period.

11. LABORATORY SERVICES

Sound Analytical laboratory was utilized during this reporting period for effluent and treatment train copper sample analysis. Second quarter groundwater samples were submitted to the DEQ laboratory.

TASK ORDER PROGRESS REPORT

Contract/Task Order No.: 64-93-23
 E & E Invoice No.: 72294
 Site Name: McCormick & Baxter Remedial Design/Remedial Action
 E & E Project No.: OT9000
 Prepared by: Sheila Fleming, Task Order Manager, E & E, Seattle
 Date: July 18, 1997
 Period: May 18 through June 30, 1997

1. BUDGET STATUS SUMMARY

Task Description	Budget Expended this Period	Budget Expended to Date	Authorized Budget	Percent of Work Complete ^a
1-RD Project Planning and Support	\$810.51	\$34,895.80	\$36,472.00	100%
2-RD Site-Specific Plans	\$5,201.83	\$48,399.12	\$41,046.00	100%
3-RD Project Administration	\$5,828.26	\$37,775.83	\$36,773.00	100%
4-RD Subcontractor Procurement	\$160.42	\$7,448.71	\$10,118.00	100%
5-RD Community Relations	\$125.00	\$125.00	\$1,622.00	100%
6-RD Data Acquisition	\$535.65	\$93,504.99	\$97,604.00	100%
7-Sample Analysis	\$0.00	\$100,672.50	\$160,650.00	100%
8-RD Data Validation	\$663.04	\$3,126.79	\$10,684.00	100%
9-RD Data Management	\$3,410.93	\$24,846.77	\$26,003.00	100%
10-Treatability Studies	\$599.74	\$12,455.12	\$13,491.00	100%
11-Preliminary Design	\$9,568.45	\$72,719.32	\$79,354.00	100%
21-RA Planning and Support	\$8,433.47	\$53,356.07	\$56,368.00	100%
22-RA Site-Specific Plans	\$20.00	\$20.00	\$228.00	100%
23-Construction Contractor Procurement	\$1,998.93	\$4,845.05	\$7,228.00	100%
25-Resident Inspection Services	\$15,058.68	\$53,092.17	\$65,822.00	100%
27-RA Implementation	\$166,992.58	\$765,403.35	\$843,668.00	100%
TOTAL	\$219,407.50	\$1,312,686.61	\$1,487,132.00	100%

^a Percent complete represents proportion of authorized work completed to date.

2. PROGRESS MADE DURING THE REPORTING PERIOD

Task 1: RD Project Planning and Support. No work was conducted on this task during this period. Outstanding fee for this task has been included in this invoice.

Task 2: RD Site Specific Plans. E & E completed the draft Phase II demolition supplemental sampling plan during this period. The plan identified subsurface structure (e.g., retorts) and subsurface soil investigation activities that will be conducted by E & E to obtain information for preparation of the Phase II demolition contract documents. The sampling activities are designed to fill data gaps that were identified after completion of the soil sampling event conducted in December 1996. The draft plan was submitted to DEQ on June 25, 1997.

Individual	Role	Hours	Activity
K. Connors	Engineer	8	Preparation of the Phase II Demolition supplemental sampling plan
K. Smith	Engineer	34	Sampling plan preparation.
E. Martin	CAD Operator	14	Concrete and soil sample location maps

Task 3: RD Project Administration. During this period, E & E conducted the following RD project administration tasks:

- Conducted routine project management, invoicing, resource allocation activities, and financial oversight of RD project tasks;
- Attended the June 16, 1997 monthly progress meeting;
- Prepared one invoice and progress report dated June 6, 1997; and
- Prepared a budget and assumption proposal for risk evaluation activities.

Individual	Role	Hours	Activity
S. Fleming	Project Manager	20	RD project management, invoice preparation, meeting attendance, cost proposal review.
K. Smith	Engineer	16	Invoice preparation, RD task management, meeting attendance.
J. Wroble	Risk Assessor	5	Cost proposal preparation.
G. Randall	Data Manager	14	Meeting attendance, cost proposal preparation, teleconference with DEQ.
L. Oakes	Technician	1.5	Cost proposal preparation.

Task 4: RD Subcontractor Procurement. No work was conducted on this task during this period. Outstanding fee for this task has been included in this invoice.

Task 5: RD Community Relations. No work was conducted on this task during this period. Outstanding fee for this task has been included in this invoice.

Task 6: RD Data Acquisition. No work was conducted on this task during this period. Outstanding fee for this task has been included in this invoice.

Task 7: RD Sample Analysis. No costs were incurred on this task during this period.

Task 8: RD Data Validation. No work was conducted on this task during this reporting period. Outstanding fee for this task has been included in this invoice.

Task 9: RD Data Management. During this period, E & E received analytical results for the composite dioxin samples. E & E compiled the data to facilitate preparation of revised contaminated soil volume and costs estimates and for use in the planned risk analysis activities. E & E processed the data into the site database since an electronic version was not available in time to meet the project schedule.

Individual	Role	Hours	Activity
K. Connors	Engineer	37	Processed dioxin data and evaluated dioxin results.
K. Smith	Engineer	4	Dioxin data review.
A. Hanson	GIS	3	GIS map preparation showing composite dioxin results.

Task 10: Treatability Studies. No work was conducted on this task during this period. Trailing costs and outstanding fee have been included in this invoice.

Task 11: Preliminary Design. E & E submitted a dioxin data summary letter report to DEQ on June 11, 1997. E & E calculated volume estimates based on several potential dioxin action levels. E & E also prepared cost estimates to evaluate the impact to the cost of the soil remedy if dioxin-contaminated soil were to be disposed off site. In addition, E & E finalized the sediment information summary report during this period.

Individual	Role	Hours	Activity
S. Fleming	Project Manager	10	Dioxin data review, teleconference wit DEQ, and report preparation.
K. Connors	Engineer	86	Finalized sediment summary report, prepared dioxin summary letter and attached tables, teleconference with DEQ.
K. Smith	Engineer	12	Evaluated soil hazardous waste classifications, assisted with dioxin report preparation, teleconference with DEQ.

Task 21: RA Planning and Support/Project Administration. During this period, E & E conducted the following RA project administration tasks:

- Conducted routine project management, invoicing, and resource allocation activities, and financial oversight of RA project tasks;
- Attended the June 16, 1997 monthly progress meeting;
- Prepared one invoice and progress report dated June 6, 1997;
- Performed RA subcontract management activities; and
- Reviewed the demolition subcontractor final invoice and prepared a memorandum documenting modifications to the invoice.

Individual	Role	Hours	Activity
S. Fleming	Project Manager	30	Project administration, invoice preparation, meeting attendance.
K. Smith	Engineer	35	Invoice preparation, meeting attendance, subcontract management, demolition invoice and change order review and memo preparation

Task 23: Construction Contractor Procurement. E & E finalized the change order documents for the demolition activities and processed the electrical repair subcontract during this period.

Individual	Role	Hours	Activity
R. Earlywine	Engineer	9	Preparation of electrical repair scope of work
K. Smith	Engineer	4	Prepared demolition and electrical repair change orders.
M. Wright	Subcontract Coordinator	12	Processed demolition and electrical repair change orders.

Task 25: Resident Inspection Services. E & E provided field oversight of subcontractor services for Phase I demolition activities, installation of the FWDA treatment system, and electrical upgrades. The oversight activity included work inspections, material/equipment decontamination oversight, wood debris categorization, health and safety monitoring, truck inspections, documentation of problems and resolution, and cost tracking. Oversight of the FWDA treatment system included construction inspection, coordination of subcontractor activities, and observation of system initiation. Phase I demolition and FWDA treatment system installation were completed by May 24, 1997. Electrical repairs were completed during the month of June 1997. E & E documented electrical upgrade field activities in a memo to Bill Dana dated July 7, 1997. No change orders were required for the electrical work.

E & E also initiated a review of the current site health and safety plan in light of the newly collected dioxin data. Proposed modifications to the plan will be presented to DEQ in a future cost proposal.

Individual	Role	Hours	Activity
P. Geiger	Engineer	13	Oversight of electrical repair activities.
D. Franzen	Health and Safety Officer	2	H & S Plan review.
R. Earlywine	Engineer	8	Phase I demolition oversight.
K. Smith	Engineer	68	Phase I demo oversight, FWDA treatment system installation oversight.
M. Witnauer	Hydrogeologist	35	Phase I demolition oversight.

Task 27: RA Implementation. During this reporting period, E & E submitted the Final First Quarter 1997 Quarterly Report on May 29, 1997. E & E continued routine site operations and oversight of the site operation subcontractor.

Installation of the FWDA treatment system was completed on May 16, 1997. Electrical power was connected to the system on May 22, 1997. The NAPL pump controllers, air compressor, air storage tank, weatherproof equipment housings, compressed air and product hoses, and pump valves were installed between May 19 and May 30, 1997. Significant consideration was given to protection of the equipment from vandalism. Hoses/piping were installed underground, steel pipe protection risers were installed on the well casings, and steel equipment housings were custom fabricated and installed. Unfortunately, vandals did gain access to the FWDA treatment system by cutting the lock to the container. Minor system damage was incurred and one pressure transducer was stolen. E & E and ADT repaired the damage to the treatment system storage container and fabricated and installed a steel box to prevent future cutting or prying of the lock. The site security service was alerted to the problems in the FWDA and two days later the Portland Police Department arrested two people for trespassing onto the site. Also during this period, ADT purchased parts, materials, and supplies to fabricate the NAPL extraction system. E & E reviewed ADT purchase requests to ensure compliance with the system design and project budget.

On June 2, 1997, E & E initiated full-time operation of the new FWDA NAPL extraction pumps and treatment system. E & E's site personnel conducted hourly system measurements to monitor operation and collect groundwater elevations and NAPL thickness measurements. Four wells were pumped at the lowest maintainable flow rate over the course of 7 days. The NAPL extraction operations and data collection activities were interrupted when an air compressor malfunctioned. A technician provided by the air compressor manufacturer visited the site and determined that the compressor malfunction was due to excessive heat build-up in the protective steel housing thus activating a thermal overload switch. E & E has since increased the ventilation to the protective housing. The technician confirmed that the compressor model is appropriate for the type of application and system design pressure and flow rates.

In addition, the FWDA treatment system effluent samples have been approaching or exceeding the discharge criteria for zinc. Therefore, E & E has taken the FWDA treatment system off-line until treatment capacity (i.e., ion exchange) for zinc can be added to the system. The FWDA system has been off-line since June 11, 1997.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	1	Program management oversight of project activities and communication with DEQ.
S. Fleming	Task Order Manager	10	Oversight of site operation activities, communication with DEQ.
K. Smith	Engineer	64	General site operations oversight, subcontractor coordination, task planning and scheduling.
D. Anderson	Hydrogeologist	80	Prepared FWDA NAPL extraction operation modification memo, developed FWDA NAPL extraction test and measurement procedures, reviewed second quarter groundwater data received from DEQ's lab and discussed problems with the data with the lab.
M. Longtine	Geologist	-9	Time sheet adjustment
M. Witnauer	Geologist	88	Conducted installation of the NAPL extraction pumps and valves in the FWDA as part of the treatment system start-up. Initiated treatment system operation and conducted hourly measurements of the NAPL extraction process. Collected NAPL samples and used Imhoff measuring cones to check percent NAPL in water. Provided assistance to ADT in trouble shooting problems with the FWDA air compressor.
E. Martin	CAD Operator	8	Revisions to the first quarter 1997 report figures.
A. Saxton	Clerical	4.5	Document production of the final first quarter 1997 quarterly report.
J. Mihalek	Clerical	4.5	Data entry of the second quarter 1997 groundwater analytical results.

3. ISSUES OF IMPORTANCE

None at this time.

4. POTENTIAL/CURRENT PROBLEM AND RECOMMENDED SOLUTIONS

The incidence of elevated concentrations of metals (primarily zinc) in both treatment systems has been increasing. E & E has considered several options to treat for metals. E & E will present options to DEQ with cost estimates in a future proposal.

5. KEY ACTIVITIES/SCHEDULE FOR SUBSEQUENT REPORTING PERIOD

- Attend the monthly meeting with DEQ and EPA on July 24, 1997;
- Submit a cost proposal for continuation of project activities and site operations for the next year under task order 88-97-5.
- Submit final invoice by August 25, 1997.

6. DELIVERABLES SUBMITTED

- The draft Phase II Demolition Investigation Plan was submitted to DEQ on June 25, 1997;
- The dioxin data summary report was submitted to DEQ on June 11, 1997;
- The Final First Quarter 1997 Quarterly Report was submitted to DEQ on May 29, 1997; and
- The construction completion report for the electrical upgrades was submitted to DEQ on July 7, 1997.

7. KEY PERSONNEL CHANGES

No personnel changes have occurred during this reporting period.

8. SUBCONTRACTING

E & E utilized the following subcontractors during this reporting period: ADT for site operation and maintenance services; Northwest Protective Services for site security; Sound Analytical for weekly treatment system effluent analysis; and Allied Demolition and Dismantling Co. for phase I demolition work.; and Oregon Electric for site electrical repairs.

9. DATA GENERATED

Routine treatment system effluent samples, and water level and NAPL measurements were collected. Results are reported in the quarterly reports.

10. MBE, WBE, SBRA INVOLVEMENT

Northwest Protective (M/WBE) and Allied Demolition (WBE) were utilized during this reporting period.

11. LABORATORY SERVICES

Sound Analytical laboratory was utilized during this reporting period for effluent sample analysis.

WMC TIME ACCOUNTING SYSTEM
DIRECT LABOR SUMMARY FOR ENVIRONMENTAL CLEANUP LABOR
(Does not include DEQ lab labor)
Business Office Project
McCormick & Baxter Remedial Action ()
For Month of April 1997

STAFF NAME	ACTIVITY NAME	ACTIVITY HOURS
Steve Campbell	Travel	1.50
	Coordination	23.00
	Document Review	5.50
	Site Visits	3.50
	Employee Total:	33.50
Bill Dana	Travel	5.00
	Meetings	4.50
	Communication	7.50
	Coordination	1.50
	Document Prep	4.00
	Document Review	1.50
	Site Visits	5.00
	Employee Total:	29.00
		62.50

WMC TIME ACCOUNTING SYSTEM
DIRECT LABOR SUMMARY FOR ENVIRONMENTAL CLEANUP LABOR
(Does not include DEQ lab labor)
Business Office Project
McCormick & Baxter Remedial Design ()
For Month of April 1997

STAFF NAME	ACTIVITY NAME	ACTIVITY HOURS
-----	-----	-----
Jo Brooks	Coordination	1.00
	Employee Total:	1.00
Steve Campbell	Travel	1.50
	Coordination	15.00
	Document Review	5.00
	Employee Total:	21.50
Bill Dana	Travel	3.50
	Meetings	8.00
	Communication	12.00
	Coordination	6.50
	Document Prep	5.00
	Document Review	13.00
	Employee Total:	48.00
Kevin Dana	Records Management	1.00
	Employee Total:	1.00
Bruce Gilles	Document Review	1.50
	Employee Total:	1.50
Barbara Petzing	Clerical/Admin Support	1.00
	Employee Total:	1.00

		74.00

WMC TIME ACCOUNTING SYSTEM
DIRECT LABOR SUMMARY FOR ENVIRONMENTAL CLEANUP LABOR
(Does not include DEQ lab labor)
Business Office Project
McCormick & Baxter Remedial Action ()
For Month of May 1997

STAFF NAME	ACTIVITY NAME	ACTIVITY HOURS
Steve Campbell	Coordination	26.00
	Document Prep	8.50
	Document Review	5.50
	Employee Total:	40.00
Bill Dana	Travel	.50
	Meetings	4.50
	Communication	7.00
	Coordination	4.00
	Document Prep	8.50
	Document Review	3.00
	Site Visits	1.50
	Employee Total:	29.00
Jill Kiernan	Meetings	3.50
	Site Visits	4.00
	Employee Total:	7.50
Lon Revall	Document Review	.50
	Site Visits	3.50
	Employee Total:	4.00
Rod Struck	Meetings	2.00
	Site Visits	2.50
	Employee Total:	4.50
		85.00

WMC TIME ACCOUNTING SYSTEM
DIRECT LABOR SUMMARY FOR ENVIRONMENTAL CLEANUP LABOR
(Does not include DEQ lab labor)
Business Office Project
McCormick & Baxter Remedial Design ()
For Month of May 1997

STAFF NAME	ACTIVITY NAME	ACTIVITY HOURS
Steve Campbell	Coordination	11.50
	Document Prep	7.50
	Document Review	4.50
	Employee Total:	23.50
Bill Dana	Travel	.50
	Meetings	.50
	Communication	16.50
	Coordination	7.00
	Document Prep	11.00
	Site Visits	1.00
	Employee Total:	36.50
Kevin Dana	Records Management	.50
	Employee Total:	.50
Jill Kiernan	Communication	.50
	Employee Total:	.50
Barbara Petzing	Clerical/Admin Support	.50
	Employee Total:	.50
Lon Revall	Document Review	.50
	Employee Total:	.50
Rod Struck	Meetings	1.00
	Site Visits	2.00
	Employee Total:	3.00
		65.00

WMC TIME ACCOUNTING SYSTEM
DIRECT LABOR SUMMARY FOR ENVIRONMENTAL CLEANUP LABOR
(Does not include DEQ lab labor)
Business Office Project
McCormick & Baxter Remedial Action ()
For Month of June 1997

STAFF NAME	ACTIVITY NAME	ACTIVITY HOURS
Steve Campbell	Coordination	15.00
	Document Review	5.00
	Employee Total:	20.00
Bill Dana	Meetings	2.00
	Communication	5.00
	Coordination	2.50
	Document Prep	5.50
	Document Review	2.50
	Financial Management	.50
	Employee Total:	18.00
Lon Revall	Coordination	.50
	Employee Total:	.50
Rod Struck	Communication	1.50
	Employee Total:	1.50
		40.00

WMC TIME ACCOUNTING SYSTEM
DIRECT LABOR SUMMARY FOR ENVIRONMENTAL CLEANUP LABOR
(Does not include DEQ lab labor)
Business Office Project
McCormick & Baxter Remedial Design ()
For Month of June 1997

STAFF NAME	ACTIVITY NAME	ACTIVITY HOURS
Steve Campbell	Coordination	8.00
	Document Review	5.00
	Employee Total:	13.00
Bill Dana	Travel	7.00
	Meetings	6.50
	Communication	19.00
	Coordination	11.50
	Document Prep	.50
	Document Review	4.00
	Analysis and Planning	2.00
	Financial Management	.50
	Records Management	3.50
	Employee Total:	54.50
Kevin Dana	Records Management	.50
	Employee Total:	.50
Jill Kiernan	Document Review	.50
	Employee Total:	.50
Karin Koslow	Communication	2.50
	Document Review	3.50
	Employee Total:	6.00
Barbara Petzing	Clerical/Admin Support	13.00
	Employee Total:	13.00
		87.50

**STATE OF OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIAL DESIGN at the MCCORMICK & BAXTER SUPERFUND SITE
V-990601-1**

FOR THE PERIOD OF 4/01/97 - 6/30/97

	This Period Expenditures	Encumbrances	Total Expenditures To Date
Personal Services/OPE	\$ 6,805	\$ -	\$ 27,410
Services & Supplies	65,032	66,903	477,770
Capital Outlay	-	-	-
Total Direct Cost	71,837	66,903	505,180
Indirect Cost:	1,341	-	5,403
TOTAL COST	\$ 73,178	\$ 66,903	\$ 510,583

RECEIVED

JUL 28 1997

**Waste Management & Cleanup Division
Dept of Environmental Quality**

REMEDIAL DESIGN at the MCCORMICK & BAXTER SUPERFUND SITE

FUND 674

V-990601-1

SUMMARY WORKSHEET

06/01/96 - 07/31/97

QTR	1st	2nd	3rd	4th	5th	6th	COSTS
	06/01/96 06/30/96	07/01/96 09/30/96	10/01/96 12/31/96	1/01/97 3/31/97	4/01/97 6/30/97	07/01/97 07/31/97	TO DATE
PS	\$ 3,288.36	\$ 4,218.27	\$ 7,938.58	\$ 5,159.61	\$ 6,804.79	\$ -	27,409.61
SS	1,261.24	1,248.12	20,389.54	322,936.01	65,031.65	-	410,866.56
CO	-	-	-	-	-	-	-
TOTAL-DIRECT	4,549.60	5,466.39	28,328.12	328,095.62	71,836.44	-	438,276.17
FY 97 -19.70%	-	830.99	1,563.90	1,016.44	1,340.54	-	4,751.87
FY 96 - 19.80%	651.10	-	-	-	-	-	651.10
TOTAL	\$ 5,200.70	\$ 6,297.38	\$ 29,892.02	\$ 329,112.06	\$ 73,176.98	\$ -	\$ 443,679.14
Encumbrances:							66,903.00
GRANT AWARD							1,038,382.00
AWARDED TO DATE							1,038,382.00
(OVER)/UNDER SPENT							<u>527,799.86</u>

**STATE OF OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIAL ACTION at the MCCORMICK & BAXTER SUPERFUND SITE
V-990601-1
FOR THE PERIOD OF 4/01/97 - 6/30/97**

	This Period Expenditures	Encumbrances	Total Expenditures To Date
Personal Services/OPE	\$ 9,407	\$ -	\$ 32,058
Services & Supplies	439,705	264,097	967,356
Capital Outlay	<u>-</u>	<u>-</u>	<u>-</u>
Total Direct Cost	449,112	264,097	999,414
Indirect Cost:	<u>1,853</u>	<u>-</u>	<u>6,315</u>
TOTAL COST	<u>\$ 450,965</u>	<u>\$ 264,097</u>	<u>\$ 1,005,729</u>

REMEDIAL ACTION at the MCCORMICK & BAXTER SUPERFUND SITE

FUND 675

V-990601-1

SUMMARY WORKSHEET

06/01/96 - 07/31/97

QTR	1st 06/01/96 06/30/96	2nd 07/01/96 09/30/96	3rd 10/01/96 12/31/96	4th 1/01/97 3/31/97	5th 4/01/97 6/30/97	6th 07/01/97 07/31/97	COSTS TO DATE
PS	\$ -	\$ 2,092.18	\$ 8,053.46	\$ 12,505.15	\$ 9,407.35	\$ -	32,058.14
SS	4,012.72	49.50	56,245.69	203,246.51	439,705.02	-	703,259.44
CO	-	-	-	-	-	-	-
TOTAL-DIRECT	4,012.72	2,141.68	64,299.15	215,751.66	449,112.37	-	735,317.58
FY 97 -19.70%	-	412.15	1,586.53	2,463.51	1,853.25	-	6,315.44
FY 96 - 19.80%	-	-	-	-	-	-	-
TOTAL	<u>\$ 4,012.72</u>	<u>\$ 2,553.83</u>	<u>\$ 65,885.68</u>	<u>\$ 218,215.17</u>	<u>\$ 450,965.62</u>	<u>\$ -</u>	<u>\$ 741,633.02</u>
Encumbrances:							264,097.00
GRANT AWARD							1,433,940.00
AWARDED TO DATE							1,433,940.00
(OVER)/UNDER SPENT							<u>428,209.98</u>

REGION 10

TARGET SHEET

This is due to the Original being:

Other:

Document Information

Site Name: McCormick And Baxter Creosoting (MCBSF)

McCormick & Baxter Creosoting Co. Site Remedial Action Project Schedule 1-15

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 10

1200 SIXTH AVENUE

SEATTLE, WA 98101

TARGET SHEET

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Document Information

Document ID #: 1386035

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Site Name: McCormick And Baxter Creosoting (MCBSF)

McCormick & Baxter Creosoting Co. Site Remedial Action Project Schedule 21-29